

substitute form PTO-1449

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT



Application Number	10/092880
Filing Date	March 8, 2002
First Named Inventor	Barenkamp
Group Art Unit	1645
Examiner Name	J. G. [signature]
Attorney Docket Number	5127

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U.S. PATENT DOCUMENTS					
Init.		Number	Patentee	Publ'n Date	Relevant Portion
[initials]	A	5194254	Barber et al.	Mar.16, 1993	_____
	B	4855283	Lockhoff et al.	Aug. 8, 1989	_____
	C	4258029	Moloney et al.	Mar.24, 1981	_____
[initials]	D	4952496	Studier et al.	Aug.28, 1990	_____

FOREIGN PATENT DOCUMENTS						
06 ↓	E	WO	93/19090	Barenkamp	Sept.30,1998	_____
	F	WO	94/21290	Barenkamp	Sept.29,1994	_____
	G	WO	92/17167			

OTHER DOCUMENTS		
	H	Description
[initials]	I	Pediatric Infection Disease Journal, Vol. 9, No. 5, issued May 1990, S.J. Barenkamp et al., "Development of Serum Bactericidal Activity Following Nontypeable <i>Haemophilus influenzae</i> Acute Otitis Media", pgs. 333-339, see entire document
	J	Journal of clinical Microbiology, Vol. 29, No. 11, issued November 1991, A.C. Caputa et al., "110 Kilodalton Recombinant Protein which is Immunoreactive with Sera from Humans, Dogs, and Horses with Lyme Borrelia", pgs. 2418-2423, see entire documents.
[initials]	K	Joint Meeting of the American Pediatric Society for Pediatric Research, 07-10 May 1990, S.J. Barenkamp, "Cloning and Expression of Genes for Nontypeable <i>Haemophilus influenzae</i> (NTHI) High Molecular Weight (HMW) Outer Membrane Proteins which are Targets of Bactericidal Antibody", Abstract 983, Pediatric Research, Vol. 27, (4 part 2).

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L	The Journal of Infectious Diseases, Vol. 165 (Suppl.) Issued August 1992, S.J. Barenkamp, "Outer Membrane Protein and Lipopolysaccharides of Nontypeable Haemophilus influenzae", pgs. S181-S184, see entire document.
M	Infection and Immunity, Vol. 60(4), issued April 1992, S.J. Barenkamp et al, "Cloning, Expression and DNA Sequence Analysis of Genes Encoding Nontypeable Haemophilus influenzae High-Molecular-Weight Surface-Exposed Proteins Related to Filamentous Hemagglutinin of Bordetella pertussis pgs. 1302-1313, see entire document.
N	Infection and Immunity, Vol. 56(1), issued January 1988, E.J. Hansen, "Immune Enhancement of Pulmonary Clearance on Nontypeable Haemophilus influenzae, pgs. 182-190, see entire document, especially Figs. 3 and 4.
O	Infection and Immunity, Vol. 52(2), issued May 1986, S. J. Barenkamp, "Protection by Serum Antibodies in Experimental Nontypeable Haemophilus influenzae Otitis Media", pgs. 572-578, see Figs. 1 and 2.
P	Proceedings of the National Academy of Sciences USA, Vol. 80, issued March 1983, R.A. Young et al. "Efficient Isolation of Genes by Using Antibody Probes", pgs. 1194-1198, see entire document.
Q	Infection and Immunity, Vol. 45(3), issued September 1984, R. Schneerson et al, "Serum Antibody Responses of Juvenile and Infant Rhesus Monkeys Injected with Haemophilus influenzae Type b and Pneumococcus Type 6A Capsular Polysaccharide-Protein Conjugates", pgs. 582-591, see entire document.
R	Journal of Molecular Biology, Vol. 157 issued 1982, J. Kyte et al, "A Simple Method for Displaying the Hydropathic Character of Protein", pgs. 105-132, see entire document.
S	Proceedings of the National Academy of Sciences, Vol. 78(6), issued June 1981, T.P. Hopp et al, "Prediction of Protein Antigenic Determinants from Amino Acid Sequences", pgs. 3824-3828, see entire document.
T	Pediatr. Infect. Dis. J., 9: 333-339, 1990, Stephen J. Barenkamp and Frank F. Bodor, "Development of Serum Bacterial Activity Following Nontypeable Haemophilus influenzae Acute Otitis Media"
U	Green et al, Infection and Immunity 61:1950-1957, 1993

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X	Barenkamp, Pediatric Research Vol. 29, 167A, Abstract 985, 1991
Y	Barenkamp, Abstract 983, Pediatric Research Vol. 27
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g	Nixon-George et al., The Adjuvant Effect of Stearyl Tyrosine on a Recombinant Subunit Hepatitis B Surface Antigen, J. Immunol. Vol. 144: pp. 4798-4802; June 15, 1990
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i	Chang et al., Nature 275, pp. 617-624, 1978
j	Itakura et al., Science 198, pp. 1056-1063, 1977
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m	Shakin R.D. et al., Mucosal Immunization with filamentous hemagglutinin protects against Bordetella pertussis respiratory infection. Infect. Immun. 60, pp. 1482-1488, 1992

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r		Consensus. Pediatr. Infect. Dis. J. 8, pp. S94-S97, 1989
s		Makela et al., Pneumococcal Vaccine and Otitis Media, Lancet 2, pp. 547-551, 1990
t		Giebink et al., J. Infect. Dis. 140, pp. 716-723, 1979
u		Giebink, Rev. Infect. Dis. 3, pp. 342-352, 1981
v		Van Regenmortel, M.H.V., Immunology Today 10(8), pp. 266-272, 1989
w		Dick, W.E. et al., Microbiol. Immunol. 10, pp. 48-114, 1989
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BB		Brunham, R.C., F.A. Plummer, and R.S. Stephens, 1993, Bacterial antigenic variation, host immune response, and pathogen-host coevolution. Infect. Immun. 61, pp. 2273-2276

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II	Hansen, E.J. D.A. Hart, J.L. McGehee, and G.B. Toews, 1988. Immune enhancement of pulmonary clearance of nontypeable Haemophilus influenzae. Infect. Immun. 56, pp. 182-190
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TT		Wallace, R.J., jr. D.M. Musher, E.J. Septimus, J.E. McGowan, Jr., F.J. Quinones, K. Wiss, P.H. Vance, and P.A. Trier, 1981. Haemophilus influenzae infection in adults: characterization of strains by serotypes, biotypes, and beta-lactamase production. J. Infect. Dis. 144, pp. 101-106
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VV		Abstracts of the 31 st Inter science conference on Antimicrobial Agents and Chemotherapy, vol. 31, October 1991, p. 286, S.J. Barenkamp, Abstract No. 1126

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